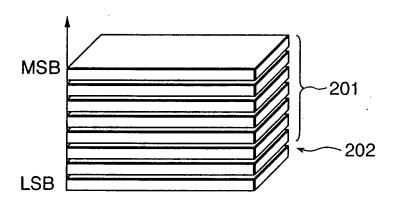
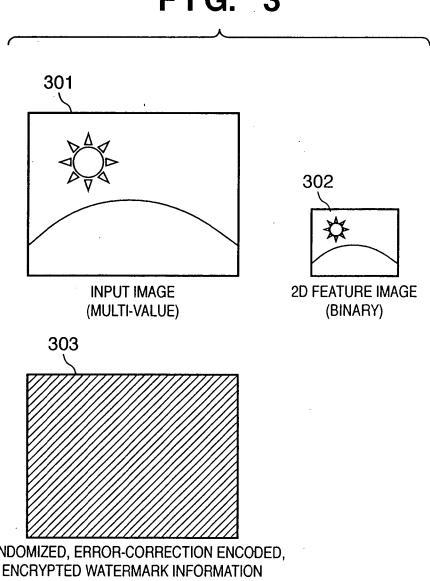


FIG. 2







RANDOMIZED, ERROR-CORRECTION ENCODED, ENCRYPTED WATERMARK INFORMATION (BINARY)

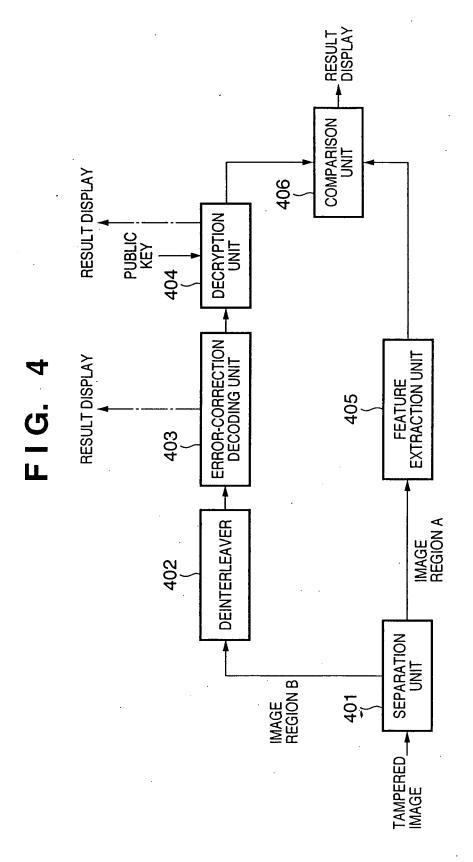
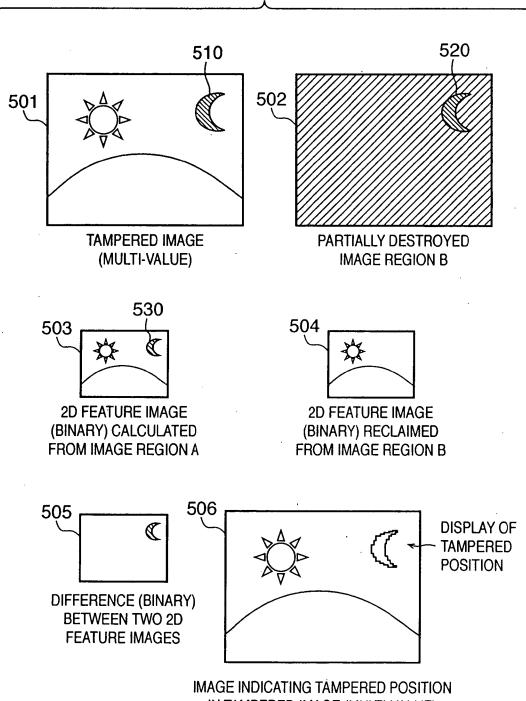


FIG. 5



IN TAMPERED IMAGE (MULTI-VALUE)

FIG. 6

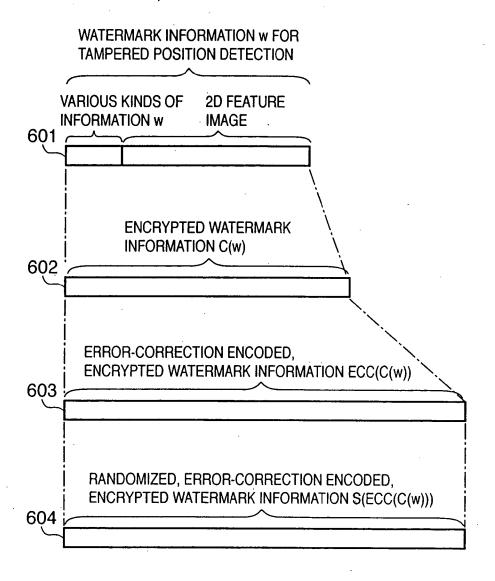
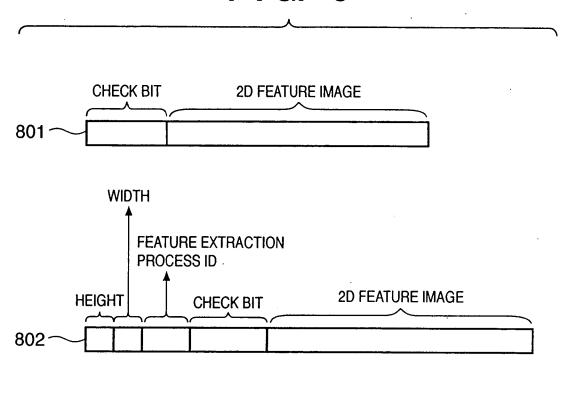
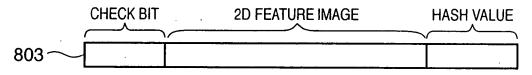


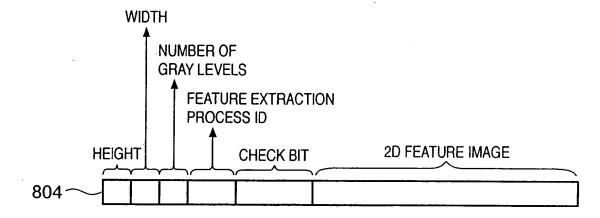
FIG. 7

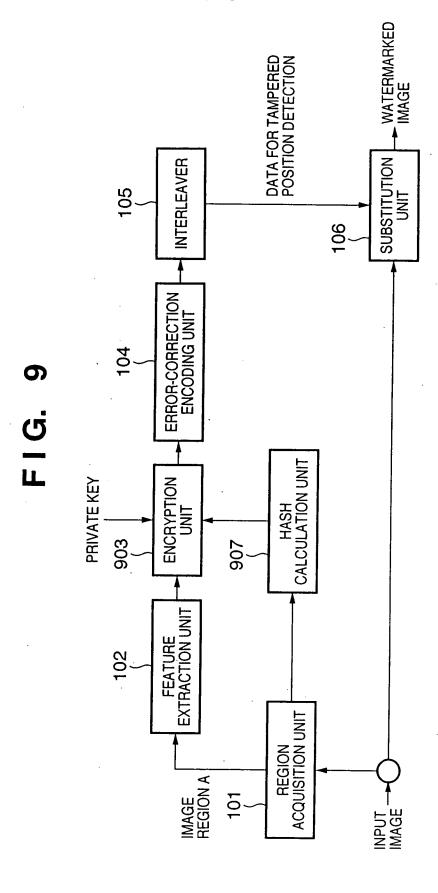
ENCRYPTED WATERMARK INFORMATION 701	ENCRYPTED WATERMARK INFORMATION	PADDING
WATERMARK INF	FORMATION BEFORE ERROR-CORRE	ECTION ENCODING

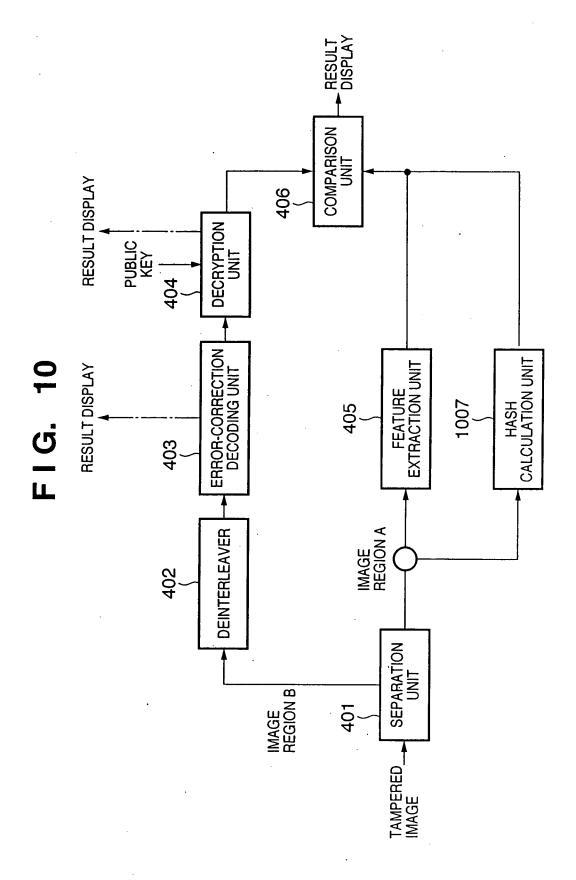
FIG. 8











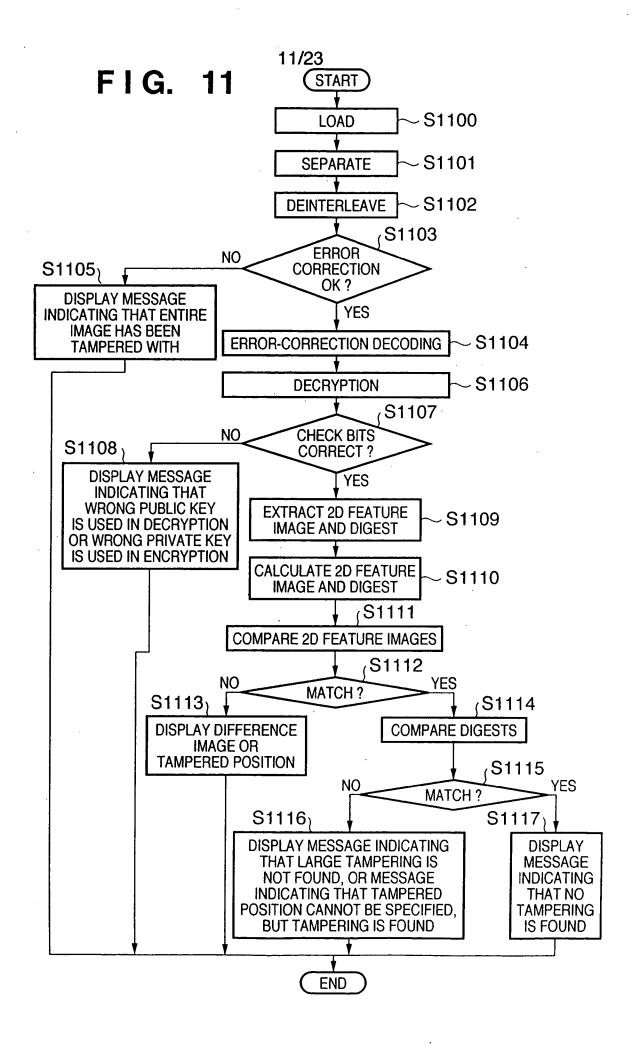
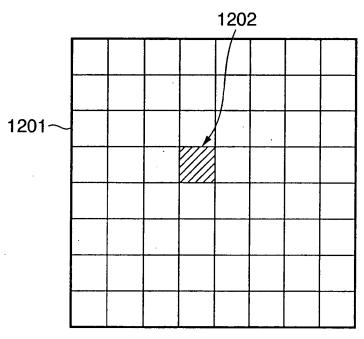
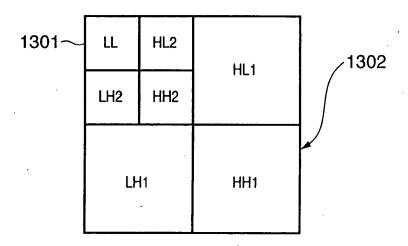


FIG. 12



DCT QUANTIZATION COEFFICIENT

FIG. 13



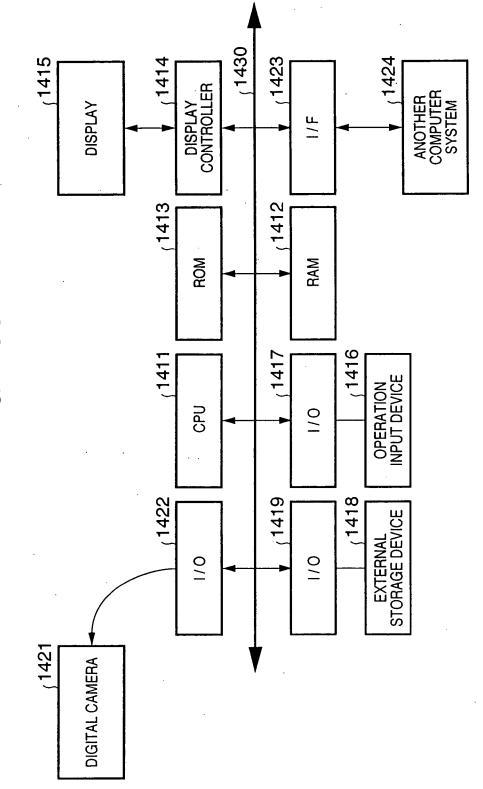
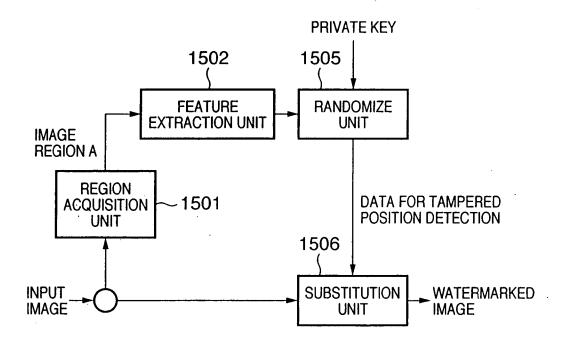
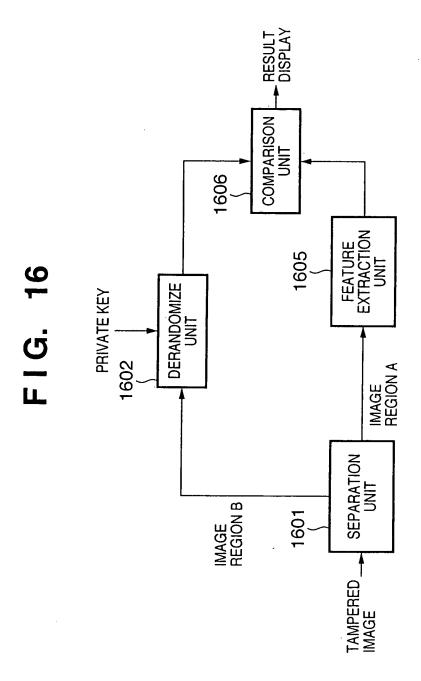
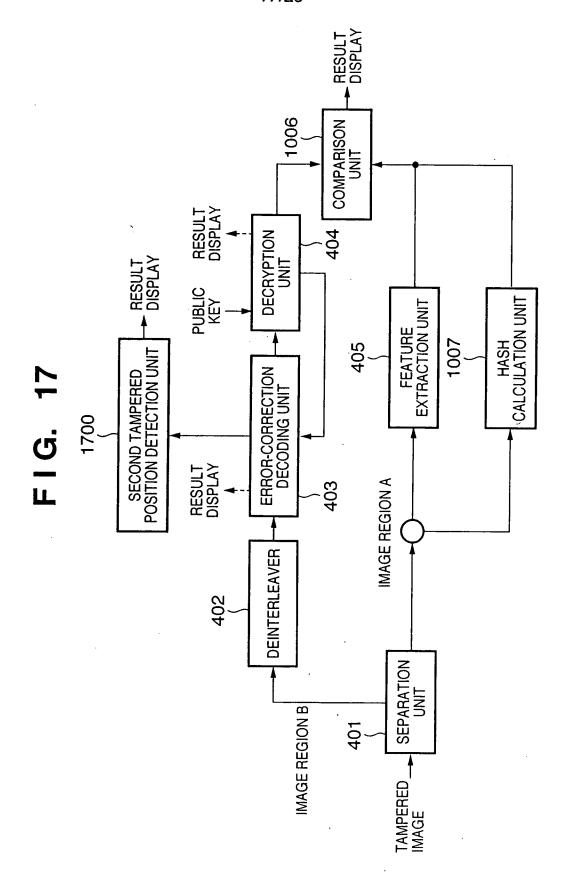


FIG. 14

FIG. 15.







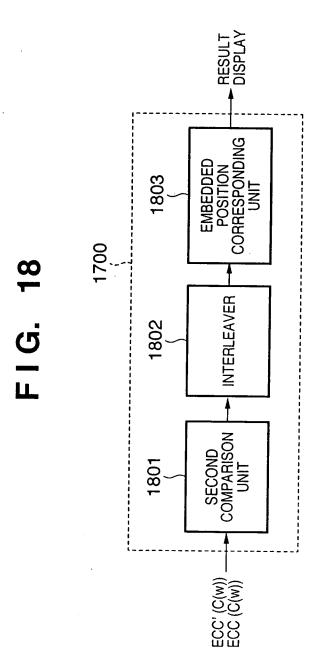


FIG. 19

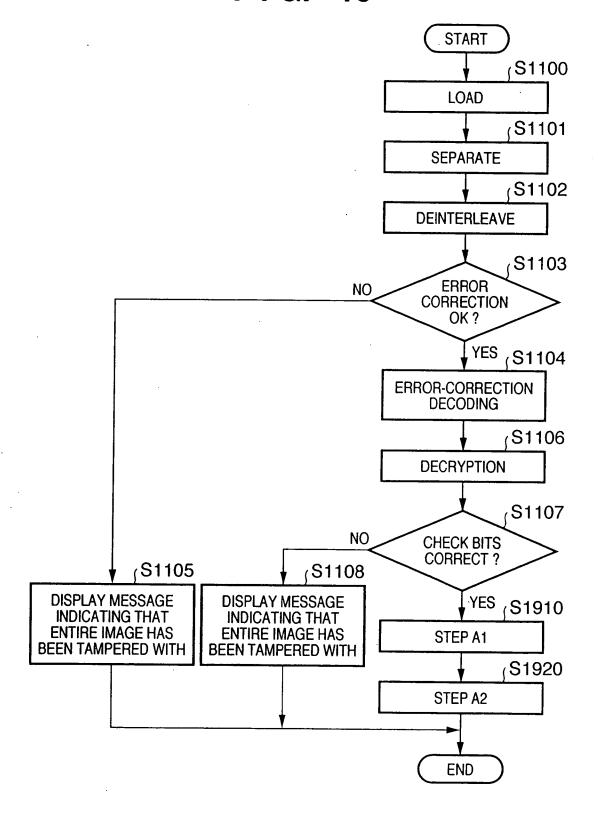


FIG. 20

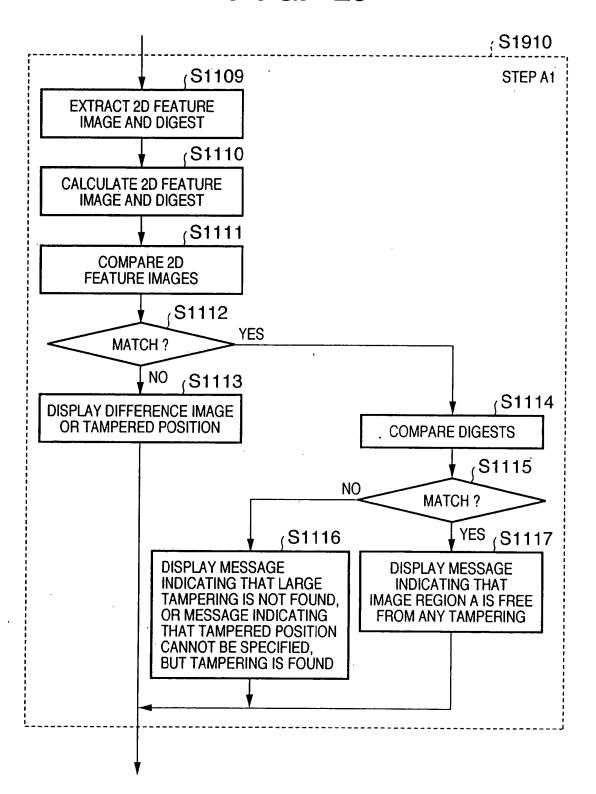


FIG. 21

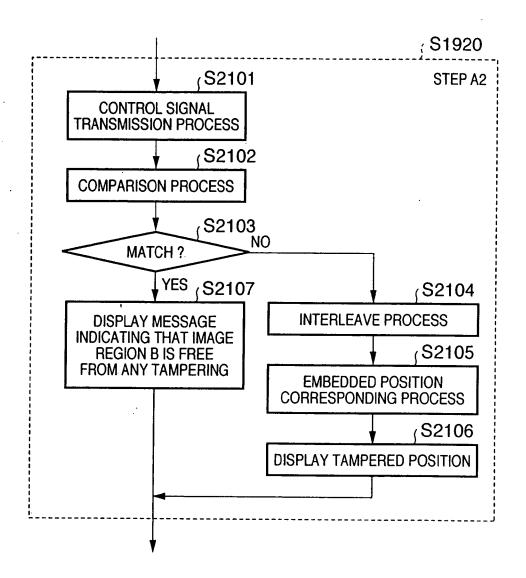


FIG. 22

